Chapter 9

Practice Quiz #2

SHOW YOUR WORK!

Name: ______________________

Date: __________

Find each missing length. Round to the nearest tenth if necessary. Include units.

1. \( \triangle \) with sides 20 cm and 21 cm.

2. \( \triangle \) with sides 12 in and 6 in.

3. \( \triangle \) with sides 3 ft and 5 ft.

4. \( \triangle \) with sides 45 cm and 51 cm.

5. \( \triangle \) with sides 32 in and 30 in.

6. \( \triangle \) with sides 2 ft and 4 ft.

Determine whether a triangle with the given side lengths is a right triangle.

7. 8, 15, 17

8. 20, 21, 28

9. 9, 12, 15

10. 11, 13, 17

Tell whether the number is rational or irrational.

11. \( \frac{7}{16} \)

12. \(-0.7\)

13. \( \sqrt{\frac{6}{17}} \)

14. \( \sqrt{196} \)